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| App | lication | /Control | No. |
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|     |          |          |     |

10/849,981

Examiner

Terrell H. Matthews

Applicant(s)/Patent under Reexamination

ACH ET AL.

Art Unit

3654

| 1 | Rejected |
|---|----------|
| 1 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|           |          |                 | <b>.</b> |          |                |  | •  |          |              | _        |     |       |          |                 |          |          |   | •        |                 | _ |
|-----------|----------|-----------------|----------|----------|----------------|--|--|----------|--------------|----------|-----|-------|----------|-----------------|----------|----------|---|----------|-----------------|---|
| Cla       | aim      |                 |          |          | - (            | Dat  | e  |          |              |          |     | Cla   | im       |                 |          |          | ( | Date     | е               | _ |
| Final     | Original | 12/29/05        | 7/10/06  |          |                |  |  |          |              |          |     | Final | Original |                 |          |          |   |          |                 |   |
|           | 1        | 1               | V        |          | $\vdash$       | $\vdash$   | _  |          |              | -        | i   |       | 51       | П               | $\dashv$ |          |   |          | Н               | r |
|           | 2        | ✓               | V        |          |                |  |  |          |              |          |     |       | 52       |                 |          |          |   |          | П               | Ī |
|           | 3_       | <b>V</b>        | ✓        |          |                |  |  |          |              |          |     |       | 53       |                 |          |          |   |          |                 | Ī |
|           | 4        | <b>√</b>        | ✓        |          |                |  |  |          |              |          |     |       | 54       |                 |          |          |   |          | П               | Γ |
|           | 5        | √               | ✓        |          | L.             |  |  |          |              |          |     |       | 55       |                 |          |          |   |          |                 | Ĺ |
|           | 6        | ✓               | ✓        | L        | L.             |  | _  |          |              |          |     |       | 56       |                 |          |          |   |          |                 |   |
|           | 7        | ✓               | ✓        |          |                | L_   |  | L        | _            |          |     |       | 57       |                 | $\perp$  |          |   | _        |                 | L |
|           | 8        | ✓               | ✓        | _        | _              | 匚  | L  | L        | _            |          |     |       | 58       | Щ               | _        |          |   | <u></u>  |                 | L |
|           | 9        | ✓               | ✓        | <u> </u> | L              | <u> </u>   | _  | L        | L_           | <u> </u> |     |       | 59       | Щ               | _        |          |   | <u>_</u> |                 | L |
|           | 10       | ✓               | ✓        | _        | _              | _  | _  | _        |              | _        |     |       | 60       | Щ               | _        |          |   |          | Ш               | L |
|           | 11       | √               | √        | _        | _              | _  | _  | _        | _            |          | ļ   |       | 61       | $\vdash$        | _        |          |   |          | Ш               | L |
|           | 12       | Ý               | Ϋ́       | <u> </u> | _              | _  | <u> </u>   | ⊢        | _            | <u> </u> |     |       | 62       | $\vdash \vdash$ | _        |          |   | _        | Н               | ŀ |
| <u> </u>  | 13<br>14 | <b>√</b>        | Ϋ́       | -        |                | -  | <del> </del> —                                   |          | -            | <u> </u> |     |       | 63<br>64 |                 |          | _        |   | _        | Н               | ŀ |
| $\vdash$  | 15       | <b>√</b>        | ✓        | ├-       | ├              | ├  | H  | -        | ┝            | ┝        |     |       | 65       | $\vdash$        | -        |          |   | _        | Н               | H |
| $\vdash$  | 16       | _               | _        | ├        | -              | ⊢  | -  | ├        | -            | ⊢        |     |       | 66       | $\vdash \vdash$ |          | _        |   | <u> </u> | Н               | H |
| <b>—</b>  | 17       | $\vdash$        | -        | ├        | ⊢              | <del> </del>                                     | ┝  | ⊢        | ┝            | $\vdash$ |     |       | 67       | $\vdash$        | $\dashv$ | _        |   | -        | Н               | H |
| $\vdash$  | 18       | _               |          | ├─       | -              | -  |  | -        | -            | $\vdash$ |     |       | 68       | $\vdash$        | $\dashv$ | _        |   | $\vdash$ | Н               | H |
| -         | 19       | _               | -        | ├        | ├              | -  |  | -        |              | $\vdash$ |     |       | 69       | $\vdash$        |          |          |   | $\vdash$ | Н               | H |
|           | 20       | $\vdash$        |          | $\vdash$ | $\vdash$       | $\vdash$   | ┢  |          | $\vdash$     | -        |     |       | 70       | $\vdash$        | $\dashv$ | -        |   | ⊢        | Н               | H |
| -         | 21       |                 |          | $\vdash$ | $\vdash$       | $\vdash$   | ┢  | $\vdash$ | $\vdash$     | -        |     |       | 71       | $\vdash$        | -        | _        |   | -        | Н               | r |
|           | 22       |                 |          | $\vdash$ | $\vdash$       | $\vdash$   | H  |          | <del> </del> | ┝        | 1   |       | 72       | $\vdash$        | _        |          |   | -        | Н               | ۲ |
|           | 23       | _               | -        | -        | _              | $\vdash$   | ┢  |          |              | $\vdash$ |     |       | 73       | H               | $\dashv$ | _        |   | _        | H               | Γ |
|           | 24       |                 | _        | $\vdash$ | 1              | <del> </del>                                     | $\vdash$   |          |              | $\vdash$ |     |       | 74       | H               |          | _        |   |          | Н               | Γ |
|           | 25       |                 | _        |          | _              | $\vdash$   | _  |          |              | $\vdash$ |     |       | 75       | H               | _        |          |   |          | H               | Γ |
| •         | 26       |                 |          |          |                |  |  |          |              |          | li  |       | 76       | Ħ               | T        |          |   | _        | П               | ٢ |
|           | 27       |                 |          |          |                |  |  |          |              |          | i   |       | 77       | П               | 寸        |          |   | _        | П               | Γ |
|           | 28       |                 |          |          |                |  |  |          |              |          | ĺ   |       | 78       | П               | 一        |          |   |          |                 | Γ |
|           | 29       |                 |          |          |                |  |  |          |              |          |     |       | 79       |                 |          |          |   |          |                 | Ī |
|           | 30       |                 |          |          |                |  |  |          |              |          |     |       | 80       |                 |          |          |   |          |                 | Ī |
|           | 31       |                 |          |          |                |  |  |          |              |          |     |       | 81       |                 | $\Box$   |          |   |          |                 | Ī |
|           | 32       |                 |          |          | $oxed{oxed}$   |  |  |          |              |          |     |       | 82       |                 |          |          |   |          |                 | Ĺ |
|           | 33       |                 |          |          |                | 匚  | L_   |          |              |          |     |       | 83       |                 |          |          |   |          | Ш               | L |
| $\perp$   | 34       |                 |          | _        | L              | L  | <u> </u>   | $\perp$  | _            |          |     |       | 84       | $\Box$          | _        |          |   |          | Ш               | L |
| $\square$ | 35       |                 |          | _        | <u> </u>       |  | _  |          |              | _        |     |       | 85       | $\Box$          | _        |          |   |          | Ш               | L |
|           | 36       | ш               | Щ        | _        | <del>  _</del> | <u> </u>   | <u> </u>   | _        | Ш            | L_       |     |       | 86       | $\sqcup$        | 4        | _        | _ | <u> </u> | Щ               | L |
|           | 37       | $\vdash \vdash$ | $\vdash$ | -        | <u> </u>       | <u> </u>   | <u> </u>   | <b> </b> | L            | <u> </u> |     |       | 87       | $\sqcup$        | _        |          |   | ļ        | $\vdash \vdash$ | ۲ |
|           | 38       | $\vdash$        |          | -        | <u> </u>       | -  | -  |          | <u> </u>     | <u> </u> |     |       | 88       | $\dashv$        |          | _        |   | _        | $\vdash \vdash$ | _ |
|           | 39       | Н               | $\vdash$ |          | <u> </u>       | <u> </u>   | <u> </u>   | -        | -            | <u> </u> |     |       | 89       | $\vdash \vdash$ |          | 4        |   | <u> </u> | $\vdash \vdash$ | _ |
| -         | 40       | $\vdash$        | $\vdash$ | <u> </u> | <del> </del>   | ⊢  | <del> </del>                                     | $\vdash$ | Ь-           | _        |     |       | 91       | ⊢┼              |          | -        |   | -        | $\vdash \vdash$ | _ |
| -         | 42       | -               | -        | _        |                | _  |  | ┝        |              | _        |     |       | 92       | $\vdash$        | $\dashv$ | _        | _ | <u> </u> | $\vdash$        | _ |
| -         | 43       | $\vdash$        | $\vdash$ | -        | $\vdash$       | $\vdash$   | <del> </del>                                     | $\vdash$ | -            | -        |     |       | 93       | $\vdash \vdash$ | $\dashv$ | $\dashv$ |   | -        | $\vdash$        | - |
| -         | 44       | $\dashv$        | $\vdash$ | H        | ┝              |  | -  | $\vdash$ | $\vdash$     | $\vdash$ |     |       | 94       | $\vdash \vdash$ | $\dashv$ | $\dashv$ |   | -        | $\vdash$        | _ |
| -         | 45       | $\dashv$        | $\vdash$ | -        | -              | <del>                                     </del> | $\vdash$   | -        | -            | -        |     |       | 95       | $\vdash$        | $\dashv$ | $\dashv$ | _ | _        | $\vdash \vdash$ | _ |
| $\vdash$  | 46       | $\vdash$        |          | _        | $\vdash$       |  | <del>                                     </del> | $\vdash$ | -            | -        |     |       | 96       | $\vdash \vdash$ | +        | ᅱ        | _ | -        | $\vdash$        | _ |
|           | 47       | -               |          |          | Т              |  |  | $\vdash$ |              |          |     |       | 97       | $\vdash \vdash$ | $\dashv$ | ᅥ        |   | _        | $\vdash$        | _ |
| $\vdash$  | 48       | $\vdash$        | $\vdash$ | _        | $\vdash$       |  | $\vdash$   | -        |              | H        |     |       | 98       | $\vdash$        | +        | -        |   | -        | $\vdash$        | - |
| $\Box$    | 49       | $\vdash$        |          |          | H              |  |  |          | $\vdash$     | _        | }   | -     | 99       | $\vdash$        | +        |          | Н | -        | $\vdash$        | _ |
|           | 50       |                 |          |          |                |  | Н  |          |              | -        | }   |       | 100      | $\Box$          | +        | ┪        |   | _        | $\vdash$        | _ |
|           | لتت      |                 |          |          |                |  |  |          |              |          | ' ' |       |          |                 |          |          |   |          | ш               | - |

| Cla      | aim      | Date     |              |          |               |              |          |          |                                     |          |  |  |
|----------|----------|----------|--------------|----------|---------------|--------------|----------|----------|-------------------------------------|----------|--|--|
| <u> </u> |          | ┢        |              |          |               |              |          |          |                                     |          |  |  |
| Final    | Original |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 51       |          |              | $\vdash$ | $\vdash$      |              | T        | _        | _                                   | $\vdash$ |  |  |
|          | 52       |          | _            | Т        | $\overline{}$ | $\vdash$     | $\vdash$ |          |                                     | $\vdash$ |  |  |
|          | 53       |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 54       |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 55       |          |              |          |               |              |          |          |                                     | Т        |  |  |
|          | 56       | Г        |              |          |               |              |          |          |                                     | Г        |  |  |
|          | 57       |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 58       |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 59       |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 60       |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 61       | L        |              |          |               |              |          |          |                                     |          |  |  |
|          | 62       |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 63       |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 64       | L_       | L_           |          |               |              |          |          |                                     |          |  |  |
|          | 65       | <u> </u> |              |          |               | _            | 匚        |          |                                     | L        |  |  |
|          | 66       | _        | _            |          | _             | L            | _        | <u> </u> |                                     | <u>_</u> |  |  |
|          | 67       | L_       |              |          | _             | _            | _        | L_       |                                     | _        |  |  |
|          | 68       | <u> </u> |              |          |               | _            | _        | _        |                                     | L        |  |  |
|          | 69       | _        |              |          |               | <u> </u>     | ᆫ        |          | _                                   | L.       |  |  |
|          | 70       | _        | _            |          | _             | <u> </u>     | <u> </u> | _        | _                                   | _        |  |  |
|          | 71<br>72 | _        |              |          | ļ             |              | L        |          |                                     |          |  |  |
| 1        | 72       | <u> </u> | <u> </u>     |          | <u> </u>      | <u> </u>     | <u> </u> | L        |                                     |          |  |  |
| -        | 73       | <u> </u> | _            |          | <u> </u>      | _            | <u> </u> | <u> </u> |                                     | <u> </u> |  |  |
| -        | 74       | <u> </u> |              |          |               | _            | <u> </u> | _        | _                                   | <u> </u> |  |  |
| -        | 75<br>76 | <u> </u> | ┝            | _        | -             | <del> </del> | <u> </u> | ⊢        | $\vdash$                            | _        |  |  |
|          | 76<br>77 | _        | ┝            | $\vdash$ | -             | ├            | -        | ⊢        |                                     |          |  |  |
| -        | 78       | $\vdash$ | $\vdash$     | ⊢        | -             | -            | -        | ⊢        |                                     |          |  |  |
| -        | 79       | $\vdash$ | ┝            | ┝        | ┢             | ┢            |          | -        |                                     |          |  |  |
|          | 80       | -        | <del> </del> | ┢        | _             | $\vdash$     | $\vdash$ | -        | -                                   | _        |  |  |
|          | 81       |          | $\vdash$     |          | -             | $\vdash$     | -        | ┢╌       | -                                   | _        |  |  |
|          | 82       |          | $\vdash$     | -        | $\vdash$      | _            | -        | $\vdash$ | Н                                   |          |  |  |
| -        | 83       |          | $\vdash$     | $\vdash$ | -             | _            | _        | $\vdash$ | Н                                   |          |  |  |
|          | 84       |          | $\vdash$     | $\vdash$ | $\vdash$      | $\vdash$     | $\vdash$ |          | Н                                   |          |  |  |
|          | 85       | _        |              |          | Г             | Т            | Г        | Г        |                                     | _        |  |  |
|          | 86       | _        |              |          |               |              | Т        | Г        |                                     | Т        |  |  |
|          | 87       | _        |              | $\Box$   |               |              |          |          |                                     |          |  |  |
|          | 88       |          |              |          |               | T            | Т        | Г        |                                     | Т        |  |  |
|          | 89       |          |              | Г        |               |              | П        | Г        |                                     |          |  |  |
|          | 90       |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 91       |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 92       |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 93       |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 94       |          |              |          |               |              |          |          |                                     |          |  |  |
|          | 95       | L        | Щ            |          | L_            | L            |          | _        | Ш                                   |          |  |  |
|          | 96       | <u> </u> | Ш            |          |               | _            | :        | _        |                                     | L        |  |  |
|          | 97       | L        | Ш            | L_       | <u> </u>      | Щ            | Ш        | L        | L.,                                 | L        |  |  |
|          | 98       | <u> </u> | Ш            | <u> </u> | L             | Щ            | Щ        |          | <u> </u>                            | <u> </u> |  |  |
|          | 99       |          | Щ.           | <u> </u> | <u> </u>      | Ь.           | Щ.       |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _        |  |  |
| 1        | 100      |          |              | 1        |               | 1            | 1        | 1        | 1 1                                 |          |  |  |

| Claim |                   | Date     |   |          |              |              |          |            |          |                 |  |  |
|-------|-------------------|----------|---|----------|--------------|--------------|----------|------------|----------|-----------------|--|--|
| Final | Original          |          |   |          |              |              |          |            |          |                 |  |  |
|       | 101<br>102        |          |   |          |              |              |          |            |          |                 |  |  |
|       | 102               |          |   |          |              |              |          |            |          |                 |  |  |
|       | 103               |          |   |          |              |              |          |            |          |                 |  |  |
|       | 104               |          |   |          |              |              |          |            |          |                 |  |  |
|       | 104<br>105        |          |   | L        | 匚            |              | L        |            |          |                 |  |  |
|       | 106               |          |   | L        |              |              |          |            |          |                 |  |  |
|       | 107               | L        |   | L        |              |              |          |            | L        |                 |  |  |
|       | 108               | _        | _ | _        |              |              | <u> </u> | <u> </u>   |          |                 |  |  |
|       | 109               |          | _ | <u> </u> | <u> </u>     | _            | <u> </u> | <u> </u> _ |          |                 |  |  |
|       | 110               |          |   | <u> </u> | _            |              | _        | <u> </u>   | <u> </u> |                 |  |  |
|       | 111               | _        | _ | <u> </u> | _            | _            |          | ļ          | <u> </u> | Ш               |  |  |
|       | 112<br>113        | _        |   | <u> </u> |              | _            |          | <u> </u>   | <u> </u> | Ш               |  |  |
|       | 114               | $\vdash$ |   | $\vdash$ | <del> </del> | <u> </u>     | -        | $\vdash$   | $\vdash$ | $\vdash\vdash$  |  |  |
|       | 115               | $\vdash$ | _ | $\vdash$ | ⊢            |              |          |            | $\vdash$ | $\vdash\vdash$  |  |  |
| _     | 116               | $\vdash$ | _ | $\vdash$ | $\vdash$     | $\vdash$     | -        | $\vdash$   | $\vdash$ | $\vdash$        |  |  |
|       | 117               | _        |   | ├        | -            |              |          |            |          | Н               |  |  |
|       | 118               |          |   | _        |              |              |          | -          | ┢        | $\vdash$        |  |  |
|       | 118<br>119        |          |   | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$ |                 |  |  |
|       | 120<br>121<br>122 |          |   |          |              |              |          | $\vdash$   | _        | $\vdash$        |  |  |
|       | 121               |          | _ |          |              |              |          | ┢          |          | П               |  |  |
|       | 122               |          |   |          |              |              |          | $\vdash$   | _        | П               |  |  |
|       | 123               |          |   |          |              |              |          |            |          |                 |  |  |
|       | 123<br>124        |          |   |          |              |              |          |            |          |                 |  |  |
|       | 125               |          |   |          |              |              |          |            |          |                 |  |  |
|       | 126<br>127        |          |   |          |              |              |          |            |          |                 |  |  |
|       | 127               |          |   |          |              |              |          |            |          |                 |  |  |
|       | 128               |          |   | _        |              |              |          |            | _        |                 |  |  |
|       | 129<br>130        |          | _ | _        | _            |              |          |            | <u> </u> |                 |  |  |
|       | 130               |          |   |          | _            |              |          |            | L        |                 |  |  |
|       | 131               |          |   |          |              |              | _        |            | _        |                 |  |  |
|       | 132<br>133        |          |   |          | _            |              |          | _          |          | Щ               |  |  |
|       | 133               | $\vdash$ | _ | $\vdash$ | _            | $\vdash$     | <b>.</b> | <u> </u>   | <u> </u> | Щ               |  |  |
|       | 134<br>135        | —        | _ |          | _            | -            | $\vdash$ |            | _        | Н               |  |  |
|       | 136               |          |   | -        | $\vdash$     | -            | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash \vdash$ |  |  |
|       | 137               | $\vdash$ |   |          | $\vdash$     | -            | $\vdash$ | -          | -        | $\vdash$        |  |  |
|       | 138               |          | - | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$   | ┝        | $\vdash$        |  |  |
|       | 139               | $\vdash$ | _ | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$ | H          | $\vdash$ | H               |  |  |
|       | 140               | $\vdash$ | — |          | -            |              | Н        | -          |          | $\vdash$        |  |  |
|       | 141               | $\vdash$ | _ | _        |              |              |          | _          |          | $\vdash$        |  |  |
|       | 142               |          |   |          |              |              |          |            |          |                 |  |  |
|       | 143               |          |   |          |              |              |          |            |          |                 |  |  |
|       | 144               |          |   |          |              |              |          |            |          |                 |  |  |
|       | 145               |          |   |          |              |              |          |            |          |                 |  |  |
|       | 146               |          |   |          |              |              |          |            |          |                 |  |  |
|       | 147               |          |   |          |              |              |          |            |          |                 |  |  |
|       | 148               |          |   |          |              |              |          |            |          |                 |  |  |
|       | 149               |          |   | $\Box$   |              | $oxed{oxed}$ |          |            |          |                 |  |  |
|       | 150               |          |   | L        |              |              | L.J      |            |          |                 |  |  |